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(54) Extended release of additives in comestible products

(57) The present invention provides a comestible product having extended release of additives wherein the additives are mixed with a carrier containing from about 10 wt.% to about 100 wt.% of a microcrystalline material, the microcrystalline material having a particle size ranging from about 0.1 μm to about 100 μm . Additives which may be mixed with the microcrystalline carrier are flavors, sweeteners, vitamins, pharmaceuticals, minerals, colors, acids, and mixtures thereof. Examples of carriers are microcrystalline cellulose, zeolites, carbon black, and mixtures thereof. Examples of comestible products in which the additive/carrier blend may be used are chewing gum, bubble gum, instant beverages, and frozen desserts.

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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	WO 90 07859 A (WM WRIGLEY JR. COMPANY)	1-6,8, 11,14-17	A23G3/30 A23L1/22
Y	* page 30 - page 31; example 53 *	7,12,13	A23G3/00
Y	US 3 023 104 A (O.A. BATTISTA) * column 3, line 71 - column 4, line 7 * * column 9, line 38 - line 50 *	12,13	
X	WO 90 13994 A (WM WRIGLEY JR COMPANY) * example 53 *	1-6,8, 11,15-17	
A	WO 93 08699 A (FUISZ TECHNOLOGIES) * page 22, line 18 - page 24, line 16 *	1-17	
A	US 5 139 797 A (HUZINEC ET AL.) * column 5, line 23 - column 6, line 15; claims; examples *	1-6,8,9, 14,16,17 7	
X	US 5 043 169 A (CHERUKURI ET AL.) * column 3, line 55 - column 4, line 60; example F *	1,3,4,8, 9,11,14, 15	TECHNICAL FIELDS SEARCHED (Int.Cl.6) A23L A23G
A	WO 90 14107 A (FMC CORPORATION) * page 6, line 32 - page 8, line 21 *	1	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 25 September 1997	Examiner Lepretre, F
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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